(11)

EP 0 971 443 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 20.12.2000 Bulletin 2000/51

(51) Int. Cl. 2:

H01R 12/08, H01R 13/658

(43) Date of publication A2: 12.01.2000 Bulletin 2000/02

(21) Application number: 99112386.0

(22) Date of filing: 29.06.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 08.07.1998 US 112081

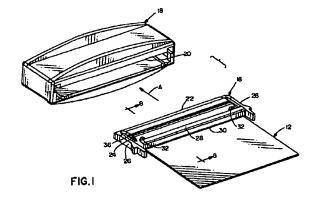
(71) Applicant: MOLEX INCORPORATED Liste Illinois 60532 (US)

(72) Inventors: , Etters, Harry N. Plainfield, IL 60544 (US) Fuerst, Robert M. West Bloomfield, Michigan 48324 (US) LePottier, Yves Geneva, IL 60134 (US) Watt, Russell J. Chicago, IL 60611 (US)

(74) Representative: Kampfenkel, Klaus, Dipl.-Ing. Blumbach, Kramer & Partner GbR, Alexandrastrasse 5 65187 Wiesbaden (DE)

(54) Electrical connector system for shielded flat flexible circuitry

(57) A connector system for terminating a shielded flat flexible circuit (12,14) includes a connector body member (24) on which the circuit is positionable. The body member is conductive and includes at one projection (32,64). A flat flexible circuit includes a plurality of signal conductors (40) and at least one grounding conductor (42). The circuit includes a hole (48) for receiving the projection (32,64) of the body member in engagement with the grounding conductor to, thereby, common the grounding conductor (42) with the conductive connector body member (24).



EP 0 971 443 A3

EP 0 971 443 A3



EUROPEAN SEARCH REPORT

Application Number EP 99 11 2386

Category	Citation of document with indi		Relevant	CLASSIFICATION OF THE
Y	wo 96 23331 A (WHITAN SHOHJI (JP); KUBOUCH ASAKAWA) 1 August 199 * abstract; figures * page 9, line 1 - page 17, line 18 -	1-4, 10-12	H01R12/08 H01R13/658	
Y	EP 0 759 650 A (THOM/ JERS) 26 February 19 * abstract; figures * column 2, line 55	1,2,10,11 *	1-4, 10-12	
Α	GB 1 317 264 A (CANN BRITAIN) 16 May 1973 * abstract; figure 7 * page 1, line 66 -	(1973-05-16) *	1,10	
A	US 3 904 261 A (COON) 9 September 1975 (19) * abstract; figures * column 1, line 43 * column 3, line 33	75-09 - 09)	1,10	TECHNICAL FIELDS SEARCHED (Int.CI.7) H01R
A	US 4 420 201 A (STEP 13 December 1983 (19 * abstract; figure 1 * column 1, line 1 -	83-12 - 13) *	1,10	NUIK
A,D	US 5 384 435 A (FUER 24 January 1995 (199 * abstract; figure 2 * column 2, line 44 -	5-01-24)		
	The present search report has be	een drawn up for all claims		
	Place of search	Date of completion of the search 27 October 2000	Sa	rrano Funcia, J
X:pa Y:pa dox A:tec O:no	THE HAGUE CATEGORY OF CITED DOCUMENTS riloularly relevant if taken alone riloularly relevant if combined with anothe current of the same category shnological backgroundwritten disclosure ermediate document	T: theory or princip E: earlier patent do after the filing d D: document cited L: document cited	ole underlying the ocument, but put ate in the application for other reasons	o invention lished on, or n s

-2-



EP 99 11 2386

This annex lists the patent family members relating to the patent documents cited in the above—mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-10-2000

	atent document d in search repo		Publication date		Patent family member(s)	Publication date
WO	9623331	A	01-08-1996	JP	8203624 A	09-08-199
				JP	8264240 A	11-10-199
				CN	1169210 A	31-12-199
				DE	69609526 D	31-08-200
				EP	0871992 A	21-10-199
				US	5967831 A	19-10-199
EP	0759650	Α	26-02-1997	JP	9120850 A	06-05-199
				CA	2183403 A	19-02-199
				US	5954537 A	21-09-199
GB	1317264	Α	16-05-1973	NON		
US	3904261	Α	09-09-1975	CA	991714 A	22-06-197
US	4420201	A	13-12-1983	DE	8231057 U	07-04-198
-			4	FR	2516313 A	13-05-198
				GB	2109649 A,B	02-06-198
				HK	29088 A	29-04-19
				ΙE	53589 B	21-12-198
				SG	2088 G	17-06-19
US	5384435	Α	24-01-1995	EP	0665609 A	02-08-19
- '				JP	2787761 B	20-08-199
				JP	7226238 A	22-08-19
				KR	147006 Y	15-06-199
				SG	43052 A	17-10-19

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82